

**MICHIGAN DEPARTMENT OF CIVIL SERVICE
JOB SPECIFICATION**

CLINICAL HEALTH SCIENTIST

JOB DESCRIPTION

Employees in this job complete and oversee a variety of professional assignments to direct the performance of a variety of clinical laboratory diagnostic services, clinical research laboratory, or clinical biologic production programs.

There is one classification in this job.

Position Code Title – Clinical Health Scientist-A

Clinical Health Scientist 12

This is the advanced level. The employee may function as a lead worker or senior worker. At this level employees are responsible for overseeing the work assignments of other professionals or have regular assignments, which have been recognized by Civil Service as having significantly greater complexity than those assigned at the experienced level in the series.

JOB DUTIES

NOTE: The job duties listed are typical examples of the work performed by positions in this job classification. Not all duties assigned to every position are included, nor is it expected that all positions will be assigned every duty.

Coordinates work by scheduling assignments and overseeing the work of other laboratory professionals.

Explains work instructions and adapts, if necessary, pertinent general methods and procedures in order to meet the needs of specific situations.

Oversees the work of scientific and technical personnel in the examination of diagnostic specimens, the preparation of reagents, or the production of biologic products.

Trains laboratory staff in the techniques of the laboratory.

Investigates the procedures for isolation, identification and measurement of agents from fermentation broth.

Plan and develop procedures for the isolation and purification of anti-cancer antibiotics.

Conducts independent research, writes progress reports, and evaluates technical literature.

CLINICAL HEALTH SCIENTIST

PAGE No. 2

Plans, directs, and participates in the improvement, development, and production of viral vaccines and antisera.

Maintains records and prepares reports and correspondence related to the work.

May perform related essential functions appropriate to the class and other non-essential functions as required.

Additional Job Duties

Clinical Health Scientist 12 (Lead Worker)

Oversees the work of professional staff by making and reviewing work assignments, establishing priorities, coordinating activities, and resolving related work problems.

Clinical Health Scientist 12 (Senior Worker)

Performs on a regular basis professional clinical health scientist assignments, which are recognized by Civil Service as more complex than those assigned at the experienced level.

JOB QUALIFICATIONS

Knowledge, Skills, and Abilities

Thorough knowledge of the principles and practices of microbiology and biochemistry.

Thorough knowledge of developmental and experimental research methods.

Thorough knowledge of the production of sterile bacteriological culture media.

Thorough knowledge of public health laboratory techniques, equipment, apparatus, and terminology.

Thorough knowledge of fermentation technology.

Thorough knowledge of biochemistry, organic chemistry, chemistry methodology, and cancer chemotherapy.

Thorough knowledge of accepted practices in the preparation of scientific papers and reports.

Thorough knowledge of disease concepts and the application of laboratory diagnostic procedures in the diagnosis of disease.

Thorough knowledge of current developments in the field.

Ability to clearly and accurately prepare scientific data.

CLINICAL HEALTH SCIENTIST

PAGE NO. 3

Ability to organize and coordinate work.

Ability to determine work priorities.

Ability to allocate work to other professionals.

Ability to instruct and supervise assistants.

Ability to adapt standard laboratory techniques and tests to meet the demands of specific problems.

Ability to use statistical techniques in the treatment of research and related data.

Ability to maintain records, and prepare reports and correspondence related to the work.

Ability to communicate effectively with others.

Ability to maintain favorable public relations.

Ability to organize and coordinate the work others.

Ability to set priorities and assign work to other professionals.

Working Conditions

Some jobs may expose an employee to some risk of sustaining illness and injury from the use of chemicals, high-pressure laboratory systems, biological materials, and exposure to disease, radiation, and toxic chemicals.

Physical Requirements

None.

Education

Possession of a doctorate degree in a field of medicine, biology, microbiology, chemistry, or biochemistry.

Experience

Clinical Health Scientist 12

One year of professional scientific laboratory experience equivalent in responsibility to a Clinical Health Scientist P11.

Special Requirements, Licenses, and Certifications

None

CLINICAL HEALTH SCIENTIST

PAGE No. 4

NOTE: Equivalent combinations of education and experience that provide the required knowledge, skills, and abilities will be evaluated on an individual basis.

JOB CODE, POSITION TITLES AND CODES, AND COMPENSATION INFORMATION

<u>Job Code</u>	<u>Job Code Description</u>
CLNHLTSCI	Clinical Health Scientist

<u>Position Title</u>	<u>Code</u>	<u>Pay Schedule</u>
Clinical Health Scientist-A	CLNHSCIA	H21-015
Clinical Health Scientist-A	CLNHSCIA	NERE-119

ECP Group 2
Revised 7/9/2001
MEC/VLWT/EF